

ABSTRACT

5 Compositions and methods for plasticizing polyvinyl chloride polymers
 where the plasticizers contain fatty acids derived from vegetable oils and
 the fatty acids are substantially fully esterified with an alcohol (monool or
 polyol), the fatty acids having unsaturated bonds that are substantially
 fully epoxidized, and wherein the fatty acids are added substantially
10 randomly to one or more hydroxyl sites on the alcohol. The plasticizers
 may be added in amounts between about 10 to 230 pph of PVC resin.

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